

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P695584

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-727-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5277 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

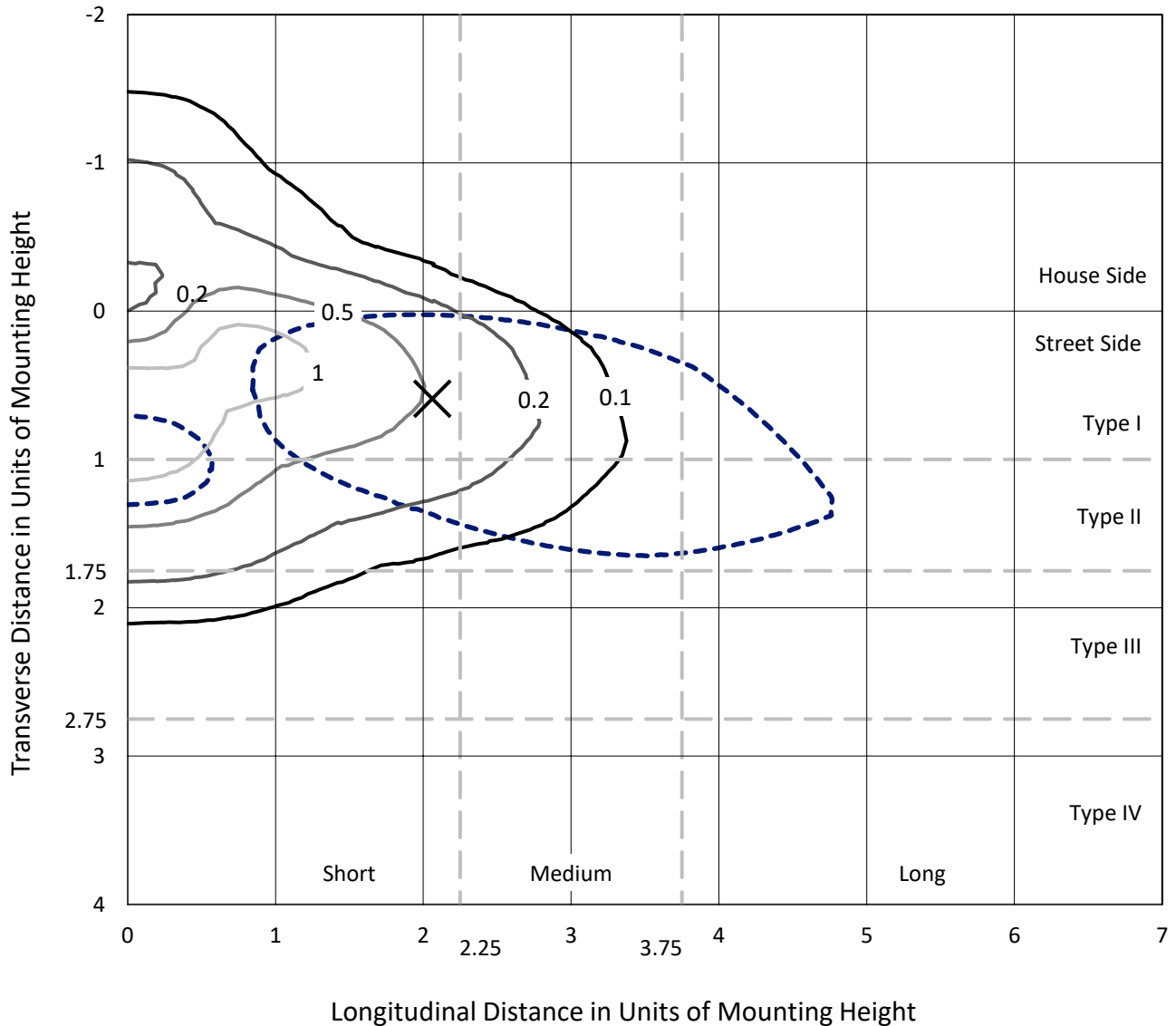
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

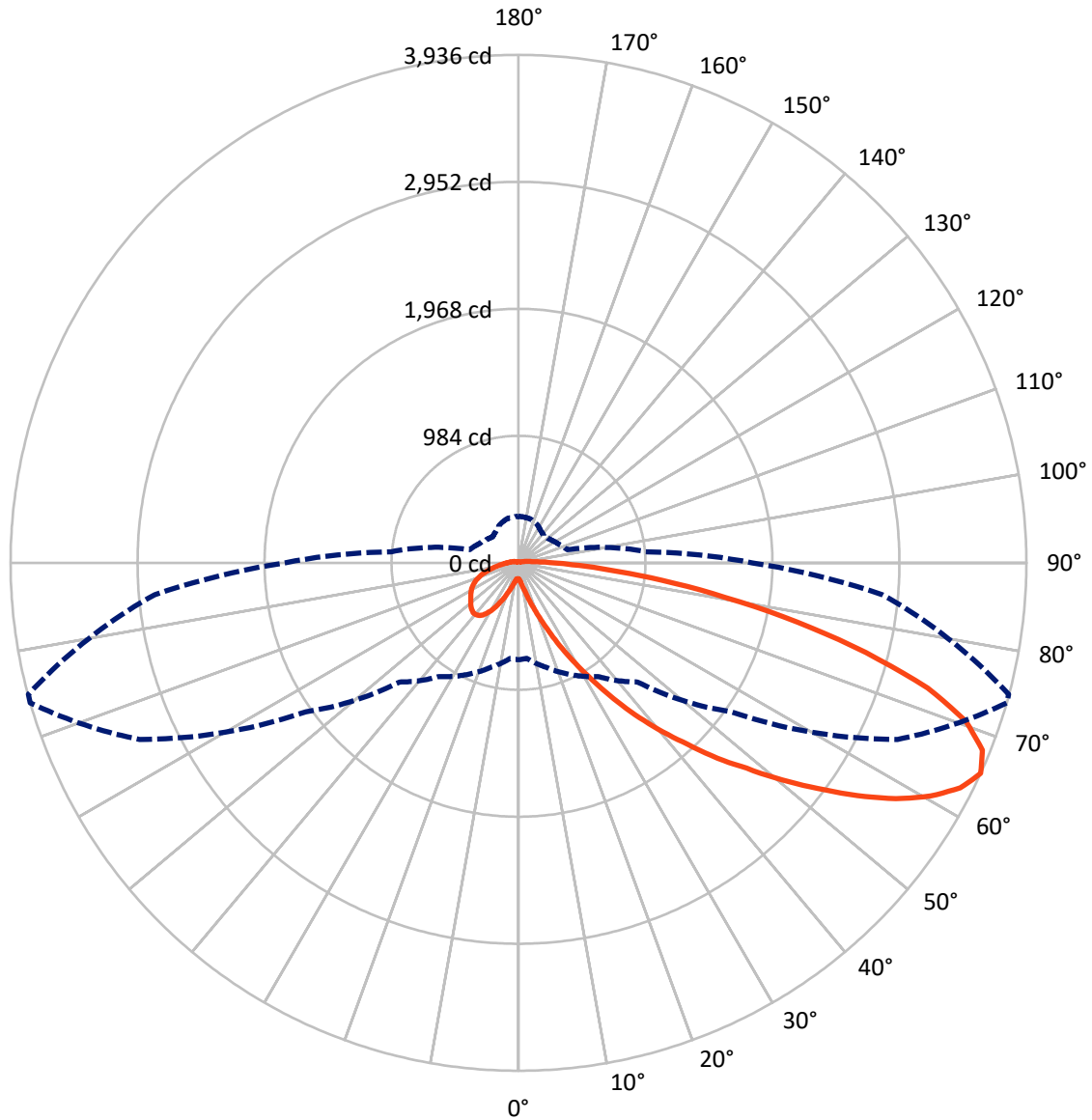
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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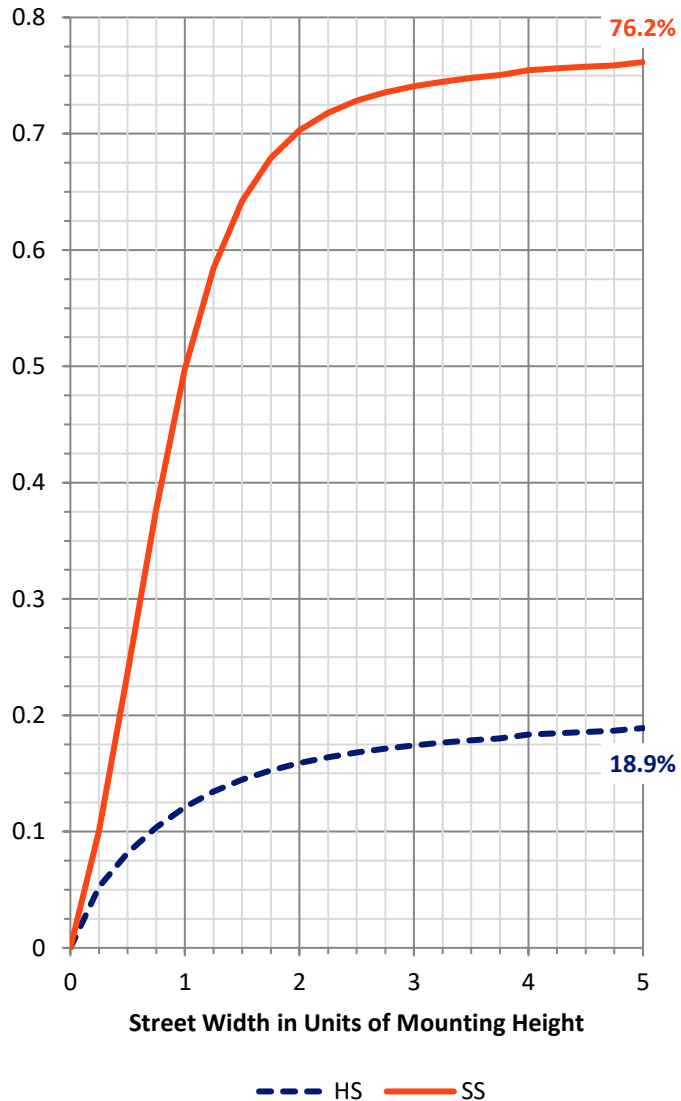
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1047.0	85.4	1132.4
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	4068.1	76.4	4144.6
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	5115.2	161.8	5277.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	76.1	1.4
20°-30°	252.9	4.8
30°-40°	579.7	11.0
40°-50°	927.7	17.6
50°-60°	1151.5	21.8
60°-70°	1117.6	21.2
70°-80°	728.9	13.8
80°-90°	266.5	5.1
90°-100°	79.5	1.5
100°-110°	36.8	0.7
110°-120°	20.4	0.4
120°-130°	12.7	0.2
130°-140°	8.0	0.2
140°-150°	4.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5115.2	96.9
0°-180°	5277.0	100.0

**Coefficient of Utilization**

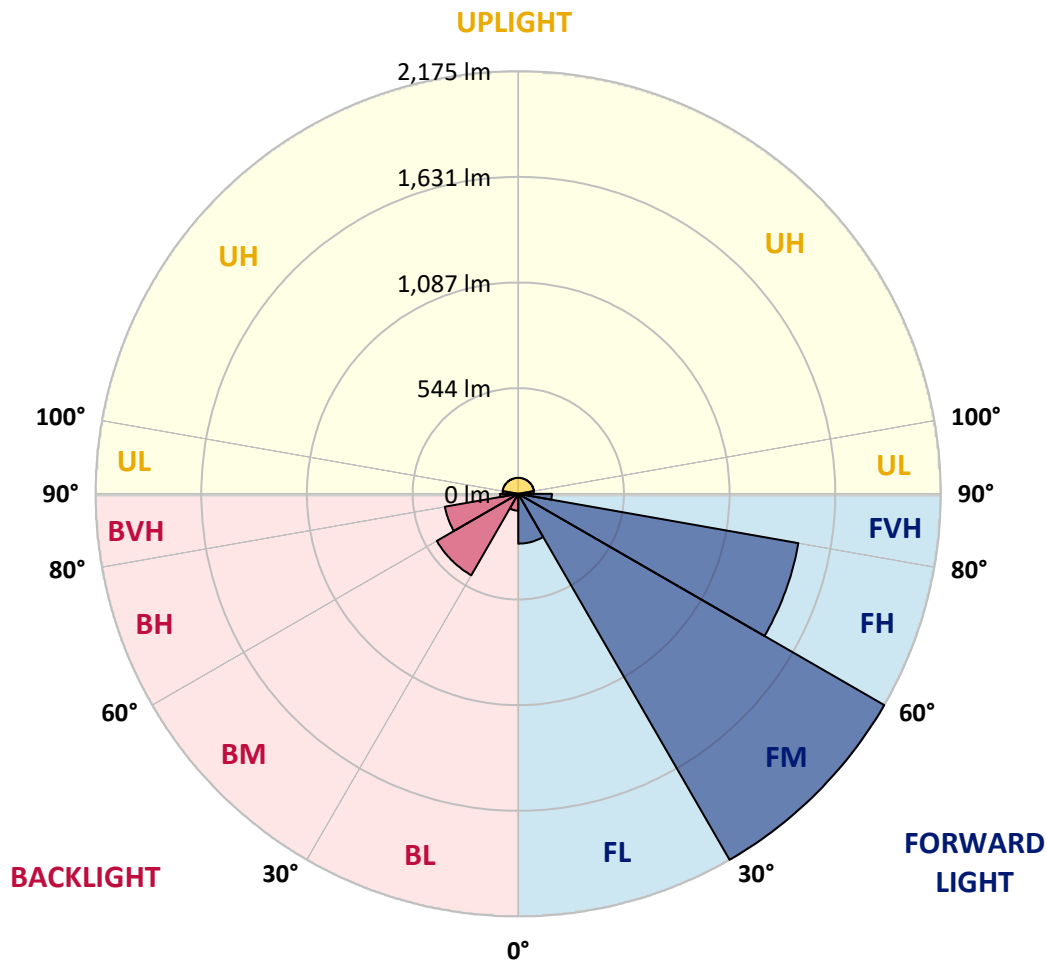


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.5	4.9			
FM (30°-60°)	2174.9	41.2			
FH (60°-80°)	1463.7	27.7			G1/1800
FVH (80°-90°)	173.0	3.3			G2/225
BL (0°-30°)	86.8	1.6	B0/110		
BM (30°-60°)	484.0	9.2	B1/1000		
BH (60°-80°)	382.8	7.3	B1/500		G1/500
BVH (80°-90°)	93.5	1.8			G1/100
UL (90°-100°)	79.5	1.5		U3/500	
UH (100°-180°)	82.3	1.6		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2
2.5°	142.8	144.8	144.8	142.8	140.9	140.9	136.9	133.0	131.1	131.1	129.1
5°	174.1	176.1	176.1	172.2	166.3	164.3	156.5	150.6	144.8	144.8	136.9
7.5°	219.1	221.1	217.1	213.2	205.4	197.6	187.8	176.1	164.3	162.4	152.6
10°	271.9	277.8	273.9	264.1	252.4	242.6	226.9	207.4	195.6	191.7	174.1
12.5°	354.1	350.2	340.4	330.6	316.9	297.4	275.8	252.4	228.9	230.8	207.4
15°	438.2	446.0	432.3	414.7	387.3	365.8	336.5	311.1	285.6	281.7	250.4
17.5°	561.5	559.5	543.9	508.6	467.6	446.0	414.7	383.4	354.1	344.3	303.2
20°	706.2	704.3	673.0	628.0	588.8	545.8	502.8	469.5	434.3	426.5	373.7
22.5°	878.4	870.6	837.3	772.7	706.2	653.4	608.4	583.0	536.0	528.2	455.8
25°	1077.9	1060.3	1023.1	937.1	835.3	774.7	733.6	704.3	659.3	649.5	555.6
27.5°	1299.0	1287.2	1218.8	1105.3	984.0	890.1	860.8	841.2	804.0	792.3	667.1
30°	1506.3	1510.3	1435.9	1293.1	1138.6	1025.1	1003.6	1005.5	956.6	946.8	798.2
32.5°	1752.8	1737.2	1641.3	1477.0	1283.3	1166.0	1146.4	1173.8	1132.7	1124.9	941.0
35°	1948.5	1960.2	1858.5	1655.0	1430.1	1295.1	1302.9	1347.9	1324.4	1312.7	1068.1
37.5°	2136.3	2126.5	2007.2	1805.7	1557.2	1416.4	1445.7	1545.5	1522.0	1508.3	1218.8
40°	2261.5	2249.7	2146.1	1928.9	1672.6	1527.9	1584.6	1733.3	1723.5	1717.6	1347.9
42.5°	2320.2	2304.5	2220.4	2015.0	1756.8	1615.9	1727.4	1925.0	1923.0	1917.2	1496.6
45°	2306.5	2296.7	2232.1	2065.8	1811.5	1698.1	1854.6	2124.5	2159.8	2132.4	1633.5
47.5°	2245.8	2236.0	2191.1	2065.8	1840.9	1748.9	1968.0	2333.9	2378.9	2353.4	1786.1
50°	2124.5	2120.6	2108.9	2016.9	1837.0	1790.0	2077.6	2523.6	2644.9	2619.5	1960.2
52.5°	1954.3	1952.4	1971.9	1928.9	1799.8	1795.9	2163.7	2742.7	2905.1	2877.7	2130.4
55°	1754.8	1754.8	1788.1	1792.0	1727.4	1774.4	2230.2	2918.8	3184.8	3145.7	2316.3
57.5°	1500.5	1508.3	1582.6	1631.6	1608.1	1711.8	2253.7	3087.0	3448.9	3423.5	2508.0
60°	1248.1	1252.0	1338.1	1420.3	1461.4	1623.7	2232.1	3202.5	3670.0	3660.2	2662.5
62.5°	984.0	987.9	1077.9	1197.3	1277.5	1479.0	2151.9	3255.3	3842.2	3836.3	2776.0
65°	751.2	743.4	839.3	956.6	1076.0	1306.8	2013.0	3239.6	3936.1	3932.2	2830.8
67.5°	539.9	555.6	628.0	741.4	862.7	1122.9	1821.3	3087.0	3877.4	3881.3	2772.1
70°	391.3	416.7	467.6	553.6	678.8	923.4	1590.5	2832.7	3677.8	3701.3	2605.8
72.5°	301.3	303.2	344.3	412.8	512.5	731.7	1316.6	2486.5	3315.9	3323.7	2318.2
75°	234.8	240.6	268.0	316.9	393.2	567.3	1068.1	2058.0	2779.9	2824.9	1966.1
77.5°	191.7	193.7	215.2	244.5	301.3	428.4	798.2	1623.7	2210.6	2214.5	1533.7
80°	150.6	158.5	176.1	195.6	234.8	320.8	586.9	1189.4	1625.7	1600.2	1085.7
82.5°	115.4	121.3	135.0	156.5	178.0	240.6	420.6	839.3	1117.0	1097.5	743.4
85°	86.1	90.0	103.7	121.3	140.9	183.9	293.4	541.9	692.5	671.0	451.9
87.5°	60.6	62.6	74.3	90.0	107.6	138.9	203.5	332.6	416.7	408.9	279.8
90°	41.1	43.0	52.8	66.5	84.1	107.6	146.7	207.4	242.6	242.6	178.0
92.5°	29.3	31.3	39.1	50.9	66.5	86.1	107.6	135.0	148.7	146.7	121.3
95°	23.5	23.5	31.3	41.1	54.8	70.4	82.2	91.9	99.8	99.8	91.9
97.5°	19.6	19.6	27.4	35.2	47.0	58.7	66.5	68.5	72.4	72.4	68.5
100°	17.6	17.6	23.5	31.3	39.1	48.9	54.8	52.8	54.8	56.7	52.8
102.5°	15.7	15.7	21.5	27.4	35.2	43.0	45.0	43.0	43.0	43.0	41.1
105°	13.7	13.7	19.6	25.4	31.3	37.2	39.1	35.2	33.3	33.3	33.3
107.5°	11.7	11.7	17.6	21.5	27.4	33.3	33.3	31.3	27.4	27.4	25.4
110°	11.7	11.7	15.7	19.6	25.4	29.3	29.3	25.4	21.5	21.5	21.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.8	9.8	13.7	19.6	23.5	25.4	25.4	21.5	19.6	17.6	17.6
115°	9.8	9.8	13.7	17.6	21.5	23.5	23.5	19.6	15.7	15.7	15.7
117.5°	9.8	9.8	11.7	15.7	19.6	21.5	19.6	17.6	13.7	13.7	13.7
120°	9.8	9.8	11.7	13.7	17.6	19.6	19.6	15.7	11.7	11.7	13.7
122.5°	9.8	9.8	11.7	13.7	15.7	17.6	17.6	13.7	11.7	11.7	11.7
125°	9.8	9.8	11.7	13.7	15.7	17.6	15.7	13.7	9.8	9.8	11.7
127.5°	9.8	9.8	11.7	11.7	13.7	15.7	13.7	11.7	9.8	9.8	11.7
130°	9.8	9.8	11.7	11.7	13.7	13.7	13.7	9.8	9.8	9.8	9.8
132.5°	11.7	11.7	11.7	11.7	11.7	13.7	11.7	9.8	7.8	7.8	9.8
135°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.8	7.8	7.8	9.8
137.5°	9.8	11.7	9.8	9.8	9.8	11.7	9.8	7.8	7.8	7.8	7.8
140°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	5.9	7.8	7.8	7.8
142.5°	9.8	9.8	9.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8
145°	7.8	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9
147.5°	7.8	7.8	7.8	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9
150°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2
2.5°	127.2	125.2	123.2	121.3	117.4	115.4	115.4	113.5	113.5	113.5	113.5
5°	133.0	131.1	125.2	119.3	113.5	109.6	105.6	105.6	103.7	101.7	101.7
7.5°	146.7	140.9	131.1	121.3	115.4	107.6	103.7	99.8	97.8	97.8	97.8
10°	166.3	158.5	142.8	129.1	119.3	109.6	103.7	99.8	97.8	95.9	95.9
12.5°	193.7	183.9	160.4	142.8	125.2	115.4	107.6	103.7	101.7	101.7	101.7
15°	232.8	217.1	187.8	158.5	138.9	121.3	117.4	117.4	119.3	119.3	119.3
17.5°	283.7	260.2	215.2	178.0	152.6	136.9	131.1	133.0	136.9	136.9	136.9
20°	338.4	311.1	250.4	203.5	170.2	156.5	148.7	152.6	158.5	162.4	162.4
22.5°	414.7	375.6	293.4	230.8	191.7	174.1	170.2	174.1	183.9	187.8	187.8
25°	502.8	444.1	338.4	260.2	215.2	195.6	191.7	197.6	209.3	219.1	219.1
27.5°	594.7	520.4	387.3	289.5	236.7	213.2	211.3	221.1	236.7	246.5	248.4
30°	700.4	598.6	432.3	318.9	258.2	230.8	230.8	246.5	264.1	277.8	279.8
32.5°	804.0	680.8	471.5	344.3	277.8	246.5	248.4	268.0	291.5	303.2	307.1
35°	909.7	751.2	506.7	365.8	291.5	260.2	264.1	289.5	313.0	326.7	326.7
37.5°	1011.4	815.8	524.3	377.6	303.2	270.0	277.8	307.1	330.6	342.4	344.3
40°	1109.2	864.7	536.0	385.4	311.1	279.8	287.6	318.9	344.3	356.0	356.0
42.5°	1195.3	905.8	538.0	387.3	316.9	285.6	297.4	328.7	352.1	360.0	361.9
45°	1283.3	941.0	528.2	383.4	320.8	291.5	301.3	334.5	356.0	361.9	363.9
47.5°	1363.5	970.3	516.5	379.5	322.8	293.4	305.2	338.4	358.0	360.0	361.9
50°	1457.4	993.8	498.9	373.7	324.7	295.4	307.1	338.4	358.0	358.0	358.0
52.5°	1547.4	1013.4	481.2	367.8	324.7	295.4	307.1	340.4	358.0	356.0	356.0
55°	1645.2	1031.0	463.6	363.9	322.8	295.4	307.1	340.4	356.0	354.1	356.0
57.5°	1721.5	1038.8	449.9	360.0	322.8	293.4	305.2	338.4	354.1	354.1	354.1
60°	1788.1	1036.8	432.3	356.0	320.8	291.5	305.2	336.5	354.1	354.1	354.1
62.5°	1827.2	1019.2	414.7	352.1	316.9	287.6	303.2	336.5	354.1	356.0	356.0
65°	1811.5	987.9	391.3	342.4	309.1	283.7	301.3	332.6	352.1	358.0	360.0
67.5°	1745.0	917.5	365.8	328.7	301.3	279.8	299.3	328.7	348.2	358.0	358.0
70°	1606.1	829.5	332.6	309.1	287.6	273.9	293.4	322.8	340.4	352.1	352.1
72.5°	1412.4	716.0	301.3	283.7	271.9	264.1	287.6	313.0	328.7	338.4	338.4
75°	1173.8	594.7	264.1	254.3	252.4	250.4	275.8	299.3	309.1	316.9	316.9
77.5°	917.5	479.3	225.0	225.0	225.0	232.8	260.2	275.8	283.7	291.5	291.5
80°	671.0	365.8	189.8	191.7	197.6	213.2	236.7	248.4	252.4	260.2	256.3
82.5°	457.8	266.1	158.5	158.5	170.2	187.8	211.3	217.1	219.1	225.0	219.1
85°	301.3	191.7	131.1	131.1	142.8	160.4	178.0	181.9	181.9	185.8	180.0
87.5°	195.6	140.9	107.6	107.6	115.4	133.0	146.7	146.7	146.7	150.6	144.8
90°	138.9	107.6	90.0	88.0	93.9	107.6	117.4	115.4	115.4	117.4	113.5
92.5°	101.7	88.0	76.3	74.3	78.3	88.0	93.9	91.9	93.9	91.9	90.0
95°	80.2	72.4	66.5	64.6	66.5	72.4	76.3	74.3	74.3	72.4	70.4
97.5°	64.6	60.6	58.7	56.7	56.7	58.7	62.6	60.6	62.6	58.7	56.7
100°	52.8	50.9	50.9	50.9	48.9	50.9	52.8	52.8	52.8	48.9	48.9
102.5°	41.1	43.0	45.0	45.0	43.0	45.0	45.0	45.0	45.0	41.1	41.1
105°	33.3	35.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	35.2	35.2
107.5°	27.4	29.3	33.3	35.2	33.3	33.3	35.2	35.2	33.3	31.3	31.3
110°	23.5	25.4	27.4	29.3	29.3	29.3	31.3	31.3	29.3	27.4	25.4

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	21.5	25.4	25.4	27.4	27.4	27.4	27.4	25.4	23.5	23.5
115°	17.6	19.6	21.5	23.5	23.5	23.5	25.4	23.5	21.5	21.5	21.5
117.5°	15.7	17.6	19.6	21.5	21.5	21.5	21.5	21.5	19.6	19.6	19.6
120°	13.7	15.7	17.6	19.6	19.6	19.6	19.6	19.6	17.6	17.6	17.6
122.5°	13.7	13.7	15.7	17.6	17.6	17.6	17.6	17.6	15.7	15.7	15.7
125°	11.7	13.7	15.7	15.7	15.7	15.7	15.7	15.7	13.7	13.7	15.7
127.5°	11.7	11.7	13.7	13.7	15.7	15.7	13.7	13.7	13.7	13.7	13.7
130°	11.7	11.7	11.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7
132.5°	9.8	11.7	11.7	11.7	11.7	11.7	11.7	9.8	9.8	11.7	11.7
135°	9.8	9.8	9.8	11.7	11.7	9.8	9.8	9.8	9.8	9.8	9.8
137.5°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	9.8	9.8
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8
145°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)